### **DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### 19 HUMAN SECRETED PROTEINS

the specification of which was filed on April 11, 2001 as Application Serial No 09/832,129.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)	:		Priority C	laimed
•			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

60/163,085	November 2, 1999
(Application Serial No.)	(Filing Date)
60/172,411	December 17, 1999
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(b) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US00/28664	October 17, 2000	Pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James H. Davis (Reg. No. 40,582), Kenley Hoover (Reg. No. 40,302), Joseph Kenny (Reg. No. 43,710), Jonathan L. Klein (Reg. No. 41,119), Michele Wales (Reg. No. 43,975) and Mark J. Hyman (Reg. No. 46,789) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

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Full name of first joint in	ventor:	Michele Fiscella		
Inventor's signature:			Date: <u>l-</u> Citizenship:	b-02
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Full name of additional jo	oint inventor:	David W. LaFleur		
Inventor's signature:		Mal. Was	Date: Citizenship:	1002
Residence: 3142 Quesada	Street, N.W., V	Vashington, DC 20015	_ Citizenship:	' <u>us</u>
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Full name of additional jo	oint inventor:	Henrik S. Olsen		
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Full name of additional jo	oint inventor:	Kevin P. Baker		
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Full hame of additional joint inventor.	C/ // /
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Full name of additional joint inventor:	Craig A. Rosen
Tan name of account joint of	1111
Inventor's signature:	Date: ///J/
Residence: 22400 Rolling Hills Road, La	ytonsville, MD 20882 Citizenship:/ / US
Post Office Address: same as above	
Full name of additional joint inventor:	Steven M. Ruben
Inventor's signature:	Date: 1/10/6
Residence: 18528 Heritage Hills Drive, Olne	7.00
Post Office Address: same as above	y, wid 20032 Chizensing.
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Full name of additional joint inventor:	Roxanne D. Duan
Tun name of additional journal and a	
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Full name of additional joint inventor:	Paul E. Young
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Residence: 122 Beckwith Street, Gaithersbur	
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Full name of additional joint inventor:	Kimberly A. Florence
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Inventor's signature:	Florance Date: 1/16/0
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Post Office Address: same as above	

Full name of additional	oint inventor:	Paul A. Moore		
Inventor's signature:	Pa	au l A. Moon	Date:	1/10/02
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Post Office Address:	same as above			
	:	Charles E. Birse		
Full name of additional	joint inventor:	Charles E. Dirse		<del>-1-1</del>
Inventor's signature:	CWh DE	<u> </u>	Date:	1/8/02
Residence: 13822 Sadd		Potomac, MD 20878	Citizenship:	<u>GB</u>
Post Office Address:	same as above			
Full name of additional Inventor's signature: Residence: 5502 Ma Post Office Address:	norfield Road, Rocl	Jian Ni kville, MD 20853	Date: Citizenship:	1/volor CN
Full name of additional Inventor's signature:	joint inventor:	Daniel R. Soppet	Date:	
Residence: 15050 S	tillfield Place, Centr	eville, VA 22020	Citizenship:	US
Post Office Address:	same as above			
Full name of additional	joint inventor:	Yanggu Shi		
Inventor's signature: Residence: 437 West 20878	Side Drive, Apt.	102, Gaithersburg, MD	Date: // Citizenship:	/8/02 CN
Post Office Address:	same as above			

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

# 19 HUMAN SECRETED PROTEINS

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Prior Foreign Application(s):			<u>Priority Cl</u> Yes	laimed No
(Number)	(Country) (Da	y/Month/Year Filed)		
I hereby claim the benefit unlisted below.	der 35 U.S.C. § 119(6	e) of any United States	provisional a	pplication(s)
60/163,085 (Application Serial No.) 60/172,411 (Application Serial No.)	November 2, 19 (Filing Date) December 17, 19 (Filing Date)	999		

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		Pending
PCT/US00/28664 (Application Serial No.)	October 17, 2000 (Filing Date)	(Status: patented, pending, abandoned)

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Full name of first joint inventor:	Michele Fiscella		· · · ·
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Inventor's signature:		Date:	TT
Residence: 6308 Redwing Road, Bethes	da, MD 20817	_ Citizenship:	<u>IT</u>
Post Office Address: same as above	<u> </u>		
	- TY1 *		
Full name of additional joint inventor:	Ping Wei		
	•	Date:	
Inventor's signature:	-1illo MD 20833	Citizenship:	CN
Residence: 19100 Old Baltimore Road, Bro	okeville, Mil) 20033	_ Citizensinp.	
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	David W. LaFleur		
Full name of additional joint inventor:	David W. Dariedi		
	•	Date:	
Inventor's signature:	chington DC 20015	Citizenship:	US
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Full name of additional joint inventor:	Henrik S. Olsen		
		Date:	
Inventor's signature:	1.00.00079	Citizenship:	DK
Residence: 182 Kendrick Place, #24, Gaith	ersburg, MD 20878	Chizenship.	
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	Zanin D. Bakar		
Full name of additional joint inventor:	Kevin P. Baker		
		Date:	•
Inventor's signature:	MD 20079	Citizenship:	GB
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Full name of additional jo	int inventor://	Reinhard Ebner		
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- i	•	Carra A. Kamataan	14_	
Full name of additional jo	int inventor:	George A. Komatsou	118	
Inventor's signature:		•	Date:	
Residence: 9518 Garwood	Street, Silver Spri	ing, MD 20901	Citizenship:	US
Post Office Address:	same as above		<del></del>	
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Full name of additional jo	int inventor:	Craig A. Rosen		
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Inventor's signature:	' TT'11 D 1 T	:11- MD 20002	Date:	TIC
		ytonsville, MD 20882	Citizenship:	US
Post Office Address:	same as above			
Full name of additional join	int inventor:	Steven M. Ruben		•
Tuli hame of additional joint				<del></del>
Inventor's signature:	•		Date:	4.1
Residence: 18528 Heritage	Hills Drive, Olne	y, MD 20832	Citizenship:	US
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Full name of additional join	int inventor:	Roxanne D. Duan		
To the discontinuous of	. •		Date:	
Inventor's signature: Residence: 5515 North	fold Dood Dother	do MD 20817	Date. Citizenship:	US
Post Office Address:	same as above	sua, IVID 20017	Citizensinp.	
Fost Office Address.	Same as above			
		,		
Full name of additional join	int inventor:	Paul E. Young		
•				
Inventor's signature:			Date:	
Residence: 122 Beckwith	Street, Gaithersbur	g, MD 20878	Citizenship:	<u>US</u>
Post Office Address:	same as above			<del></del>
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		YZ! banka A Wilana ara		•
Full name of additional joi	nt inventor:	Kimberly A. Florence	Y-	
Inventoria aigneture:			Date:	
Inventor's signature:  Residence: 12805 Atla	ntic Avenue Rock	ville MD 20851	Citizenship:	US
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Full name of additional joint inventor: Taul A. Moore		
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Inventor's signature:	Date:	
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Post Office Address: same as above		
Full name of additional joint inventor: Charles E. Birse		
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Residence: 13822 Saddleview Drive, North Potomac, MD 20878	Citizenship:	GB
Post Office Address: same as above	-	
•	*	
Full name of additional joint inventor: Jian Ni		•
Inventor's signature:	Date:	
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Post Office Address: same as above	•	
Total Ciliad Tadaless.		
Full name of additional joint inventor: Daniel R. Soppet	•	
Tun name of additional joint inventor.		<del></del>
Inventor's signature: (1) and (1) stopped	Date: 3/3	5/02
Residence: 15050 Stillfield Place, Centreville, VA 22020	Citizenship:	US
Post Office Address: same as above		
1 OSI OTHICE Address. Same as above	<del> </del>	
Tollows of a little and inited in contract and Wanger Chi		
Full name of additional joint inventor: Yanggu Shi		
Y and the descriptions	Data	
Inventor's signature:	Date:	
Residence: 437 West Side Drive, Apt. 102, Gaithersburg, MD 20878	Citizenship:	CN
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## DECLARATION FOR PATENT APPLICATION

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Full name of first joint inventor:  Mi	chele Fiscella
Inventor's signature:	Date:
Residence: 6308 Redwing Road, Bethesda, M	D 20817 Citizenship: IT
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Full name of additional joint inventor: Pin	g Wei
Inventor's signature:	Date:
Residence: 19100 Old Baltimore Road, Brookevi	le, MD 20833 Citizenship: CN
Post Office Address: same as above	
Full name of additional joint inventor: Da	vid W. LaFleur
run name of additional joint inventor.	viu W. Larieui
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Full name of additional joint inventor: He	nrik S. Olsen
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Full name of additional joint inventors Vo	vin P. Baker
Full name of additional joint inventor: Ke	VIII F. DAKEI
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Full name of additional je	oint inventor:	Reinhard Ebner		<del></del>
T			Date:	
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Full name of additional j	oint inventor:	George A. Komatsou	lis	
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Post Office Address:	same as above			
Full name of additional j	oint inventor:	Craig A. Rosen		
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Inventor's signature:		144 3 57 40004	Date:	TIC
Residence: 22400 Ro		aytonsville, MD 20882	Citizenship:	<u>US</u>
Post Office Address:	same as above			
Full name of additional j	oint inventor:	Steven M. Ruben		
Inventor's signature:			Date:	
Residence: 18528 Herita	ge Hills Drive Oln	nev. MD 20832	Citizenship:	US
Post Office Address:			•	
E-11 f - dd:4: 1	oint inventors	Roxanne D. Duan		
Full name of additional j	oint inventor:	Roxanne D. Duan		
Inventor's signature:	KOVAN	no. Duan	Date: 1/	9/07
	thfield Road, Beth	esda, MD 20817	Citizenship:/	US
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Full name of additional j	oint inventor	Paul E. Young		
run name of additional j	omt mychtor.	Taur E. Toung		
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Residence: 122 Beckwit	h Street, Gaithersb	urg, MD 20878	Citizenship:	US
Post Office Address:	same as above			
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Full name of additional j	ioint inventor:	Kimberly A. Florence	e	
I dir name of additional	Joint in Chiton	TRANSPORT IN A ROLL OF CO.		
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Full name of additional joint inventor:	Charles E. Birse		<u> </u>
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	Jian Ni	Date	
Inventor's signature:	11 1 TD 00050	Date:	CNI
Residence: 5502 Manorfield Road, Rockvi	ille, MD 20853	Citizenship:	CN
Post Office Address: same as above			
Full name of additional joint inventor:	Daniel R. Soppet		
Inventor's signature:		Date:	
Residence: 15050 Stillfield Place, Centrev	ille, VA 22020	Citizenship:	US
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Full name of additional joint inventor:	Yanggu Shi		
Inventor's signature:		Date:	
Residence: 437 West Side Drive, Apt. 10 20878	2, Gaithersburg, MD	Citizenship:	CN
Post Office Address: same as above			

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Inventor's signature:		Date:	
Residence: 6308 Redwing Road, Bethesda	, MD 20817	Citizenship:	IT
Post Office Address: same as above			
Full name of additional joint inventor:	Ping Wei		
Inventor's signature:		Date:	
Residence: 19100 Old Baltimore Road, Brook	eville, MD 20833	Citizenship:	CN
Post Office Address: same as above			
Full name of additional joint inventor:	David W. LaFleur		
Inventor's signature:		Date:	
Residence: 3142 Quesada Street, N.W., Wash	ington, DC 20015	Citizenship:	US
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Full name of additional joint inventor:	Henrik S. Olsen		
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Residence: 182 Kendrick Place, #24, Gaithers	burg, MD 20878	Citizenship:	DK
Post Office Address: same as above			
Full name of additional joint inventor:	Kevin P. Baker		
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Full name of additional joint inventor: Roxann	e D. Duan
Torrentanta si anatona.	D 4
Inventor's signature:  Residence: 5515 Northfield Road, Bethesda, MD 2	Date:
	Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Paul E.	Young
$\Omega\Omega$ $\Omega$	1.1
Inventor's signature:	Date: 2/26/07
Residence: 122 Beckwith Street, Gaithersburg, MD 20	
Post Office Address: same as above	
Full name of additional joint inventor: Kimber	ly A. Florence
Inventoria aignotyra.	Б.;
Inventor's signature: Residence: 12805 Atlantic Avenue. Rockville. MD	Date:
	20851 Citizenship: US
Post Office Address: same as above	

Paul A. Moore
Date:
ntown, MD 20874 Citizenship: GB
ttown, MD 20874 Citizenship. GB
Charles E. Birse
Deter
Date:
Potomac, MD 20878 Citizenship: GB
Iion Ni
Jian Ni
Date:
rille, MD 20853 Citizenship: CN
-
Daniel R. Soppet
Date:
ville, VA 22020 Citizenship: US
Yanggu Shi
<b>D</b> .
Date:
2, Gaithersburg, MD Citizenship: CN

MAR 2 2 2002 W

Janet M. Martineau

Name of Person Signing

U.S. DEPARTMENT OF COMMERCE ORDATION FORM COVER SHEET Form **PTO-1595** U.S. Patent and Trademark Office (Rev. 03/01) PATENTS ONLY OMB No. 0651-0027 (exp. 5/31/20 ADE To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Michele Fiscella (January 10, 2002), Ping Wei (January Name: Human Genome Sciences, Inc. 10, 2002), David W. LaFleur (January 11, 2002), Henrik Internal Address: S. Olsen (January 10, 2002), Kevin P. Baker (January Street Address: 9410 Key West Avenue Additional name(s) of conveying party(ies) x Yes Νo attached? 3. Nature of Conveyance: Merger x Assignment Change of Name Security Agreement Rockville City: MD Zip: 20850 Other State: Additional name(s) & Yes x No see Box 1, conveying parties **Execution Date:** address(es) attached: 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: B. Patent No.(s): A. Patent Application No.(s): 09/832,129 Additional numbers attached? x No 6. Total number of applications and Name and address of party to whom correspondence patents involved: concerning document should be mailed: Name: Janet M. Martineau 40.00 7. Total fee (37 CFR 3.41) HUMAN GENOME SCIENCES, INC. **Enclosed** Internal Address: Atty. Dkt.: PZ045P1 Authorized to be charged to deposit account Street Address: 9410 Key West Avenue 8. Deposit account number: 08-3425 State: Zip: City: (Attach duplicate copy of this page if paying by deposit account) MD Rockville DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Total number of pages including cover sheet, attachments, and documents:

March 22, 2002

Date

14



Form PTO-1595

# ORDATION FORM COVER SHEET (continued)

# Additional Conveying Party(ies) (1. Continued):

Reinhard Ebner (March 5, 2002), George A. Komatsoulis (January 11, 2002), Craig A. Rosen (January 15, 2002), Steven M. Ruben (January 10, 2002), D. Roxanne Duan (January 9, 2002), Paul E. Young (February 26, 2002), Kimberly A. Florence (January 16, 2002), Paul A. Moore (January 10, 2002), Charles E. Birse (January 8, 2002), Iian Ni (January 10, 2002), Daniel R. Soppet (March 5, 2002), and Yanggu Shi (January 8, 2002)		
Additional Assignees (2. Continued):		
Assignee Name:Internal Address:		
Street Address:		
City: State:	Zip Code:	
Assignee Name: Internal Address:		
Street Address:		
City: State:	Zip Code:	
Assignee Name: Internal Address: Street Address:	·	
City: State: _	Zip Code:	
Additional Applications and/or Patents  Additional Patent Application Numbers  4A. Continued:	(4. Continued):  Additional Patent Numbers 4B. Continued:	
Additional numbers	s attached? Yes X No	

### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Michele Fiscella, Ping Wei, David W. LaFleur, Henrik S. Olsen, Kevin P. Baker, Reinhard Ebner, George A. Komatsoulis, Craig A. Rosen, Steven M. Ruben, Roxanne D. Duan, Paul E. Young, Kimberly A. Florence, Paul A. Moore, Charles E. Birse, Jian Ni, Daniel R. Soppet, and Yanggu Shi, hereby sells, assigns, transfers, and sets over to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his/her entire right, title and interest, including the right to sue and collect for all past, present and future damages, for the United States of America, including all its territories and possessions, and all other countries,

- (a) in and to the invention known as 19 HUMAN SECRETED PROTEINS for which application for United States Letters Patent was filed on April 11, 2001, and assigned US Serial No. 09/832,129, in any and all applications thereon, in any and all Patent(s) therefore, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional) applications, reissues, extensions, renewals and reexaminations of the patent application or patent therefor listed above in part (a), to the full extent of the term or terms for which patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals, and examinations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

Each of the undersigned further agrees that said Assignee may apply for and receive patent(s) for said invention(s) in its own name; and agrees to execute all papers necessary in connection with said application(s) and any continuing application(s) (continuation, divisional, or continuation-in-part), substitutes, renewals, reissues, reexaminations, extensions, and all other patent applications on all such invention(s), including all rightful oaths, declarations, powers of attorney and other papers; and agrees to execute separate assignments in connection with such application(s) as the Assignee may deem necessary and expedient; and agrees to communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said invention(s) and the history thereof; and agrees to cooperate fully and completely with said Assignee, its successors, assigns, and representatives in securing, maintaining, and enforcing proper patent protection for said invention(s) and for vesting title to said invention(s) and all patent applications and all patents on said invention(s) in Assignee, its successors, assigns and representatives.

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Each of the undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

Each of the Practitioners at Customer Number 22195 is hereby granted with full power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:	Min Fully Michele Fiscella	Date:  -10-02
Inventor's Signature:	Ping Wei	Date:
Inventor's Signature:	David W. LaFleur	Date: I ( or
Inventor's Signature:	Henrik S. Olsen	Date:
Inventor's Signature:	Kevin P. Baker	Date://0/07
Inventor's Signature:	Reinhard Ebner /	Date:
Inventor's Signature:	June A. Koma Bol George A. Komatsoulis	Date: 1/11/07
Inventor's Signature:	Craig A. Rosen	Date: 1/15/17
Inventor's Signature:	Steven M. Ruben	Date:
Inventor's Signature:_	Roxanne D. Duan	Date:
Jnv- \s Signature:_	Paul E. Young	Date:
\ignature:_	Mimberly A. Florence	Date: 1/16/02
Vo. PZ	2045P1 2	Serial No. 09/832,129

Inventor's Signature:	Paul A. Moore	Date: _	1/10/02
	Paul A. Moore		
Inventor's Signature:	Charles E. Birse	Date:	1/8/02
Inventor's Signature:	Jian Ni	Date:	1/0/02
Inventor's Signature:	Daniel R. Soppet	Date:	
Inventor's Signature:	Yanggi Shi	Date:	11810

### **ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Michele Fiscella, Ping Wei, David W. LaFleur, Henrik S. Olsen, Kevin P. Baker, Reinhard Ebner, George A. Komatsoulis, Craig A. Rosen, Steven M. Ruben, Roxanne D. Duan, Paul E. Young, Kimberly A. Florence, Paul A. Moore, Charles E. Birse, Jian Ni, Daniel R. Soppet, and Yanggu Shi, hereby sells, assigns, transfers, and sets over to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his/her entire right, title and interest, including the right to sue and collect for all past, present and future damages, for the United States of America, including all its territories and possessions, and all other countries,

- (a) in and to the invention known as 19 HUMAN SECRETED PROTEINS for which application for United States Letters Patent was filed on April 11, 2001, and assigned US Serial No. 09/832,129, in any and all applications thereon, in any and all Patent(s) therefore, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional) applications, reissues, extensions, renewals and reexaminations of the patent application or patent therefor listed above in part (a), to the full extent of the term or terms for which patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals, and examinations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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Each of the undersigned further agrees that said Assignee may apply for and receive patent(s) for said invention(s) in its own name; and agrees to execute all papers necessary in connection with said application(s) and any continuing application(s) (continuation, divisional, or continuation-in-part), substitutes, renewals, reissues, reexaminations, extensions, and all other patent applications on all such invention(s), including all rightful oaths, declarations, powers of attorney and other papers; and agrees to execute separate assignments in connection with such application(s) as the Assignee may deem necessary and expedient; and agrees to communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said invention(s) and the history thereof; and agrees to cooperate fully and completely with said Assignee, its successors, assigns, and representatives in securing, maintaining, and enforcing proper patent protection for said invention(s) and for vesting title to said invention(s) and all patent applications and all patents on said invention(s) in Assignee, its successors, assigns and representatives.

Each of the undersigned agrees to execute all papers necessary in connection with any interference that may be declared or litigation that may be instituted concerning the application(s) or patent(s) referred to above and to cooperate fully and completely with the Assignee, its successors, assigns, and representatives in obtaining evidence and going forward with such interference or litigation, including providing testimonial evidence.

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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:		Date:	
	Michele Fiscella		
Inventor's Signature:		Date:	<u></u>
	Ping Wei		
Inventor's Signature:	David W. LaFleur	Date:	····
• • •	David W. Laffeur		
Inventor's Signature:	Henrik S. Olsen	Date:	· · · · · · · · · · · · · · · · · · ·
	Henrik S. Oisen		
Inventor's Signature:	Kevin P. Baker	Date:	<del></del>
		O_Date:	-/2007
Inventor's Signature:	Reinhard Ebner	Date:	7000
Inventor's Signature:		Date:	
· .	George A. Komatsoulis		
Inventor's Signature:	· · · · · · · · · · · · · · · · · · ·	Date:	· 
	Craig A. Rosen		•
Inventor's Signature:		Date:	
	Steven M. Ruben		
Inventor's Signature:	Roxanne D. Duan	Date:	·
nventor's Signature:	Paul E. Young	Date:	
nventor's Signature:	Kimberly A. Florence	Date:	

	·	Date:
Inventor's Signature:	Paul A. Moore	
	•	
Inventor's Signature:		Date:
Inventor's Signature.	Charles E. Birse	
	·	Date:
Inventor's Signature:	Jian Ni	•
	OR Somet	Date: 3/5/02
Inventor's Signature:	Daniel R. Soppet	
Inventor's Signature:		Date:
Inventor a premerara.	Yanggu Shi	

#### ASSIGNMENT

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- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals, and examinations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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	Michele Fiscella	
Inventor's Signature:	Ping Wei	
Inventor's Signature:	Date:Date:	
Inventor's Signature:	Date: Henrik S. Olsen	
Inventor's Signature:	Date:	
Inventor's Signature:	Steven M. Ruben	
Inventor's Signature:	Roxanne D. Duan  Duan  Date:	1/9/02
Inventor's Signature:	Date:	
Inventor's Signature:	Date:	

	Date:	
Paul A. Moore		
Charles E. Birse	Date:	
Charles El El Si		
Jian Ni	Date:	
Daniel R. Soppet	Date:	
Y	Date:	
	Charles E. Birse  Jian Ni  Daniel R. Soppet	Paul A. Moore

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Inventor's Signature:	Henrik S. Olsen	Date:
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Inventor's Signature:	Roxanne D. Duan	Date:
Inventor's Signature:	Paul E. Young	Date: 2/26/07
Inventor's Signature:	Kimberly A. Florence	Date:

Inventor's Signature:		Date:	
	Paul A. Moore		
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Inventor's Signature:	Jian Ni	Date:	
Inventor's Signature:	Daniel R. Soppet	Date:	
Inventor's Signature:	Yanggu Shi	Date:	